



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/616,053               |
| Filing Date            | July 9, 2003             |
| First Named Inventor   | John S. Buchanan, et al. |
| Group Art Unit         | Unknown                  |
| Examiner Name          | Unknown                  |
| Attorney Docket Number | 2001B067                 |

|  |                         |
|--|-------------------------|
| Total Number of Pages in This Submission | 4 pgs (+6 foreign docs) |
|--|-------------------------|

## ENCLOSURES (check all that apply)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Assignment Papers (for an Application)                         | <input type="checkbox"/> After Allowance Communication to Group                            |
| <input type="checkbox"/> Preliminary Amendment / Response                 | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> After Final Affidavits/declaration(s)            | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition    | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> To Convert a Provisional Application                           | <input type="checkbox"/> Status Letter   |
| <input checked="" type="checkbox"/> Information Disclosure Statement      | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):       |
| <input type="checkbox"/> Certified Copy of Priority Documents)            | <input type="checkbox"/> Terminal Disclaimer  |  |
| <input type="checkbox"/> Response to Missing Part/ Incomplete Application | <input type="checkbox"/> Request for Refund   |  |
| <input type="checkbox"/> Response to Missing Parts                        |   |  |

**Stamped Post Card for Return Receipt**

## REMARKS

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |                  |                  |        |
|-------------------------|------------------|------------------|--------|
| Firm Or Individual name | Gerard J. Hughes | Registration No. | 41,855 |
| Signature               |                  |                  |        |
| Date                    | 3 March 2004     |                  |        |

## CERTIFICATE OF MAILING

I hereby certify that this correspondence was deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on the date indicated below.

|                       |               |      |        |
|-----------------------|---------------|------|--------|
| Typed or printed name | Judy A. Gould |      |        |
| Signature             |               | Date | 3/3/04 |



"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

John S. Buchanan, et al.

SERIAL NO.: 10/616,053

FILED: July 9, 2003

FOR: Use of Membranes to  
Separate Organic Liquid  
Having Different  
Polarities

§ EXAMINER: Unknown

§

§ GROUP ART UNIT: Unknown

§

§ ATTY. DOCKET NO.: 2001B067

§

§

§

Honorable Commissioner for Patents

P. O. Box 1450

Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with Title 37, Sections 1.56, 1.97 and 1.98 of the Code of Federal Regulations, and pursuant to applicants' duty of candor and good faith toward the United States Patent and Trademark Office, the Examiner's attention is drawn to the art indicated on the attached PTO-1449 form.

This Information Disclosure Statement is being filed under:

- ☐ 37 CFR 1.97 (b) (1) within three months of the filing date of a national application other than a continued prosecution application.
- ☐ 37 CFR 1.97 (b) (2) within three months of the date of entry of the national stage in an international application.
- ☒ 37 CFR 1.97 (b) (3) before the mailing date of a first Office action on the merits.
- ☐ 37 CFR 1.97 (b) (4) before the mailing date of a first Office action after filing a Request for Continued Examination.
- ☐ 37 CFR 1.97 (c) before the mailing date of a final action or notice of allowance. This Information Disclosure Statement is accompanied by the appropriate statement under 37 CFR 1.97(e) and the fee set forth in 37 CFR 1.17 (p).

- ☐ 37 CFR 1.97 (d) prior to payment of the issue fee. This Information Disclosure Statement is accompanied by the appropriate statement under 37 CFR 1.97 (e) and the fee set forth in 37 CFR 1.17 (p).

Form PTO-1449 is attached to this paper listing documents submitted in the above-referenced case. It is respectfully requested that the Examiner consider these documents and return an initialed copy of each form to the attorney of record.

This disclosure statement should not be construed as a representation that a search has been made or that no other material information, as defined in 37 CFR § 1.56(a), exists.

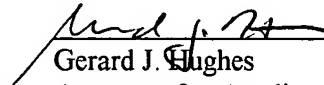
The instant application was filed after June 30, 2003. In accordance with *1276 Official Gazette 55*, Aug. 5, 2003, which waives the requirement under 37 CFR 1.98 (a) (2) (i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication, applicants have not submitted copies of these documents. Copies of any cited foreign patent documents and/or non-patent literature are submitted herewith in accordance with 37 CFR 1.98 (a) (2).

We believe that this disclosure complies with the requirements of 37 CFR § 1.56, 1.97 and 1.98, and the Manual of Patent Examining Procedures § 609. If for any reason the Examiner finds that the disclosure or documents do not comply with these sections, notification is respectfully requested.

If there are any matters or issues outstanding, the Examiner is encouraged to contact the attorney of record at the telephone number listed below.

Respectfully submitted:

3 March 2004  
Date

  
Gerard J. Hughes  
Attorney for Applicants  
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## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2001B067

SERIAL NO.

10/616,053

APPLICANT

John S. Buchanan, et al.

FILING DATE

7/9/03

GROUP

Unknown

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE    | NAME              | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|--------------------|---------|-------------------|-------|----------|-------------------------------|
|                      | AA | 4,798,674          | 1/17/89 | Pasternak, et al. | 210   | 640      |                               |
|                      | AB | 5,498,743          | 3/12/96 | Shih, et al.      | 558   | 277      |                               |
|                      | AC | 5,504,239          | 04/1996 | Mehl, et al.      | 558   | 277      |                               |
|                      | AD |                    |         |                   |       |          |                               |
|                      | AE |                    |         |                   |       |          |                               |
|                      | AF |                    |         |                   |       |          |                               |
|                      | AG |                    |         |                   |       |          |                               |
|                      | AH |                    |         |                   |       |          |                               |
|                      | AI |                    |         |                   |       |          |                               |
|                      | AJ |                    |         |                   |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | PUBL.<br>DATE | COUNTRY       | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|--------------------|---------------|---------------|-------|----------|-------------|----|
|  |    |                    |               |               |       |          | YES         | NO |
|  | AK | DE4408697          | 21/09/95      | Germany       | C07C  | 69/96    |             | X  |
|  | AL | EP0254758          | 03/02/88      | Netherlands   | B01D  | 13/04    | X           |    |
|  | AM | GB660017           | 31/10/51      | Great Britain | 1(i)  | F6       | X           |    |
|  | AN | EP0889025          | 07/01/99      | Japan         | C07C  | 69/96    | X           |    |
|  | AO | EP0423949          | 24/04/91      | U.S.A.        | B01D  | 61/36    |             |    |

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

|  |    |  |
|--|----|--|
|  | AP | Huang, Robert Y.M., et al: "Pervaporation with latex membranes II. Pervaporation properties and aging effect," Journal of Membrane Science, Elsevier Scientific Publ. Co., Amsterdam, NL, vol. 87, no. 3, 2 March 1994, pages 257-266 (XP000492319). |
|  | AQ |  |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next comment to applicant